

Date: Thu, 18 Mar 93 04:30:03 PST
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>
Errors-To: Packet-Radio-Errors@UCSD.Edu
Reply-To: Packet-Radio@UCSD.Edu
Precedence: Bulk
Subject: Packet-Radio Digest V93 #71
To: packet-radio

Packet-Radio Digest Thu, 18 Mar 93 Volume 93 : Issue 71

Today's Topics:

 BSD Unix code for IPIP (rfc 1241)?
 I need G8BPQ 4.04
 Info about 'Mackay OSW-2000'
 K3MC KISS ROM hex code for Tiny-2. Where?
 Packet Radio via CB???? (2 msgs)
 SoftTNC & other PMP tricks (relayed)
 Thenet software help - where to FTP fm?
 Wanting to start using packet radio
 your LISTSERV request "list packet-radio"

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 18 Mar 1993 04:51:03 GMT
From: munnari.oz.au!newshost.anu.edu.au!sserve!csadfa.cs.adfa.oz.au!
wkt@network.UCSD.EDU
Subject: BSD Unix code for IPIP (rfc 1241)?
To: packet-radio@ucsd.edu

Does anybody have code for IP-IP encapsulation for a BSD 4.3 system?
Where can I get it from? I'm running a NOS system with this stuff in
use, but I'm planning to upgrade it to 386bsd in the near future.

Many thanks for all your help.

Warren wkt@csadfa.cs.adfa.oz.au

Date: 17 Mar 93 22:06:23 GMT
From: swrinde!gatech!howland.reston.ans.net!spool.mu.edu!hri.com!noc.near.net!
oz.plymouth.edu!m_ander@network.UCSD.EDU
Subject: I need G8BPQ 4.04
To: packet-radio@ucsd.edu

I'm looking for version 4.04 of G8BPQ, but can only find
version 4.06. Anyone know where 4.04 is? Thanks in advance.

-Mike

Date: Thu, 18 Mar 1993 08:23:55 GMT
From: sdd.hp.com!nigel.msen.com!yale.edu!ira.uka.de!scsing.switch.ch!
aristo.tau.ac.il!libra.math.tau.ac.il!dlevy@network.UCSD.EDU
Subject: Info about 'Mackay OSW-2000'
To: packet-radio@ucsd.edu

Hi,

I recently saw an article about a product called 'osw-2000' from
a company called Mackay , which can be used to send fax and data
at 2400 bps over highly noised lines (possibly using HF radio).
I would appreciate any information about the product or details
on how to contact Mackay.

Thanx , Doron Levy.

e-mail: dlevy@libra.math.tau.ac.il

Date: 18 Mar 93 09:24:40 GMT
From: news-mail-gateway@ucsd.edu
Subject: K3MC KISS ROM hex code for Tiny-2. Where?
To: packet-radio@ucsd.edu

I am looking for the above. Hopefully it comes with a read.me file
explaining how to burn the hex code in, but if not could someone
please enlighten me?

Thanks

JJ

:: Jon Jagger J.R.Jagger@shu.ac.uk
:: Sheffield Hallam University, Pond Sreet, SHEFFIELD S1 1WB
:: Tel 0742 533802/432889 (work/home) Fax 0743 533840
:: Newspaper ad: Men wanted for expanding contracting company!

Date: Wed, 17 Mar 1993 17:05:29 CET
From: usc!howland.reston.ans.net!paladin.american.edu!news.univie.ac.@!alijku11!
k111111i@network.UCSD.EDU
Subject: Packet Radio via CB????
To: packet-radio@ucsd.edu

I am thinking of a cheaper version to connect to the University.
I want to bring down my online phonecosts (we have to pay per
minute).

Questions:

Is it possible to run Packet Radio on CB Channels?
(the range of CB would be OK)

(It is very very very hard to get a amateur radio licence
and it is very very very expensive to run a commercial radio)

I am in Europe, so this is not a question of laws.
We have our -----spezial----- laws.

Which hardware can/must I use?
What are the costs of these hardware?

Can I realize a Network with more than two nodes and no
need for manual interaktion. (I wish to realize TCP/IP with one
central servernode). The network should have more than 10 nodes.

How many channels would it need?

Is it possible to build relais stations (for longer range)?

What is the maximum bps over one Chanel?

Is there Software to run these under DOS?
Is there Software to run these under Unix (Linux)?

Thanks in advance. Ed

Date: 17 Mar 93 18:21:13 GMT
From: ogicse!emory!kd4nc!ke4zv!gary@network.UCSD.EDU
Subject: Packet Radio via CB????
To: packet-radio@ucsd.edu

In article <93076.170530K11111I@ALIJKU11.BITNET> <K11111I@ALIJKU11.BITNET> writes:

>I am thinking of a cheaper version to connect to the University.

>I want to bring down my online phonecosts (we have to pay per
>minute).

>

>Questions:

>

>Is it possible to run Packet Radio on CB Channels?

>(the range of CB would be OK)

>

>(It is very very very hard to get a amateur radio licence

>and it is very very very expensive to run a commercial radio)

>

>I am in Europe, so this is not a question of laws.

>We have our -----spezial----- laws.

Subject to whatever legal restrictions you have, yes it's technically possible.

>Which hardware can/must I use?

>What are the costs of these hardware?

An ordinary TNC should work nicely. Even the little Baycom type units will work at 1200 baud.

>Can I realize a Network with more than two nodes and no

>need for manual interaktion. (I wish to realize TCP/IP with one

>central servernode). The network should have more than 10 nodes.

Yes. Use the KA9Q NOS software.

>How many channels would it need?

Depending on channel loading, only one. If the load gets really heavy you may want to split the nodes among several channels and use the switch computer to gateway between them. A typical router application.

>Is it possible to build relais stations (for longer range)?

Yes, either smart or dumb. It's built into the KA9Q NOS code. Any station can serve as relay for any other on the same channel.

>What is the maximum bps over one Chanel?

1200 baud is probably a practical limit, though 9600 might work in exceptional circumstances.

>Is there Software to run these under DOS?
>Is there Software to run these under Unix (Linux)?

Yes and yes. KA9Q NOS to both questions. There are a bunch of variants of NOS, one or the other will meet your needs. Plus you get the source code so you can modify it to fit if necessary. This is the greatest deal in networking.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: Wed, 17 Mar 1993 16:53:02 GMT
From: sdd.hp.com!ux1.cso.uiuc.edu!news.cso.uiuc.edu!uxa.cso.uiuc.edu!
btbg1194@network.UCSD.EDU
Subject: SoftTNC & other PMP tricks (relayed)
To: packet-radio@ucsd.edu

r 11669

Date: Wed, 17 Mar 1993 18:04:48 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!wupost!crcnis1.unl.edu!
moe.ksu.ksu.edu!usenet-feed.umn.edu!UMRVMA.umn.edu!S111674@network.UCSD.EDU
Subject: Thenet software help - where to FTP fm?
To: packet-radio@ucsd.edu

Hi I am the node operator of the local node here at the Univ of MO Rolla and want to upgrade the TNC firmware to at least Thenet 2.08b Where can I find a FTP site that I can get this program from? I have looked at everywhere I know but yet to find anything. Any help would be helpful. I have tried archie but it did not help either. Thanks in advance.

Willie Sandin, N0MGJ @ W0EEE
S111674@UMRVMA.UMR.EDU

Date: Wed, 17 Mar 1993 13:17:48 +0000
From: pipex!demon!inform.demon.co.uk!nlello@uunet.uu.net
Subject: Wanting to start using packet radio
To: packet-radio@ucsd.edu

I will be wanting to add packet radio to my system in the near future, having not yet taken my amateur radio test in the uk to obtain a callsign.

Can someone give me some pointers on what the best TNC and Rig for 2m transmission would be. Also, how do I obtain an IP address for my callsign ?

All help gratefully received,

Nick

Date: 17 Mar 93 13:48:26 GMT
From: news-mail-gateway@ucsd.edu
Subject: your LISTSERV request "list packet-radio"
To: packet-radio@ucsd.edu

Per request by bouaziz@spiky.rsinet.tn
"list packet-radio"
'packet-radio' is not subscribed to any mailing lists.

Date: (null)
From: (null)
DATE: 03/11/93

RE: Poor Man's Packet on serial ports with BAYCOM style modems.

Hello. This is Bob, KI5PG, in Victoria, Texas. Recently I read a packet message asking if it was possible to use Poor Man's Packet on Baycom style modems. It is.

My good friend, Harvey, WB5MCT, a brilliant ham and a fine person, came up with the solution. About a year ago, Harvey and I got hold of some old BELL 202 style modems used on a dedicated phone lines for remote computing. With a few external components we managed to get them working on packet with BAYCOM 1.4. (If you can scrounge some old BELL 202 style modems and you want to know the modifications, let me know.) Harvey, WB5MCT, made the PMP.CFG changes to make PMP address the serial port addresses to make PMP work on the BELL 202 serial port modems. These changes should make PMP work with any BAYCOM style serial port modem.

Change the following parameters in PMP.CFG to the values shown below. (This causes the software to address the "handshake" bits on the COM port instead of the Parallel port.) The addresses given

are for COM1 serial port. For COM2, change the port addresses from 3FC to 2FC and from 3FE to 2FE.

```
# PTTPORT
pttport 0x3FC 2 0
# TXPORT
txport 0x3FC 1
# CDPORT
cdport 0x3FE 128 1
# RXPORT
rxport 0x3FE 16
```

Try it. It works for us. It should work for you, too. All this is interesting to play with but if you really want to work with the PMP type program on a BAYCOM style modem I would suggest you get the SoftNC program from j*COM. SoftNC and Poor Man's Packet are both written by Andrew C. Payne, N8KEI and I would be remiss if I did not give Andy credit and thanks for both of these fine programs. Although PMP is released as shareware, SoftNC is a commercial product. The program runs about \$20.00. I bought it and I enjoy it. It has a few features that make it superior to PMP, specifically, it has a keyboard buffer so you do not get locked out and lose keystrokes when the program is receiving data. In other respects it is very similar to PMP. It's worth the money and j*Com will ship it out to you right away.

If you want to know how to modify old BELL 202 serial modems to work VHF packet radio with either BAYCOM, SoftNC, or PMP, send me a SASE and I will send you back the details. My office address is 121 South Main Street, Suite 205, Victoria, Texas, 77901. I'd also like to know if you made it work and if you found this information useful. You could also send me packet messages at KI5PG @ KB5JBQ.SO.TX.USA.NA.

73 de Bob, KI5PG, in South Texas.

--- End of message #11669 to BAYCOM from KI5PG ---

1 connected stations(s)
N9LNQ BBS (H for help) >

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Brad Banko; Dept of Physics; U of Illinois; b-banko@uiuc.edu

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See one. Do one. Teach one.	73 de kb8cne @ n9lnq.il
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End of Packet-Radio Digest V93 #71
